

Converting Colors

CIELCh(68, 51.752, 145.287)

Have a look what the booklet for
CIELCh(68, 51.752, 145.287)
contains.

CIELCh(68, 51.725, 145.071)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 51.725, 145.071)

Conversions

Conversions Part 1

Format	Color
Hex	60B86E
RGB	96, 184, 110
RGB Percent	38%, 72%, 43%
CMY	0.6229, 0.2778, 0.5680
CMYK	0.48, 0.00, 0.40, 0.28
HSL	130°, 38%, 55%
HSV	130°, 48%, 72%
XYZ	24.8370, 37.9720, 20.8143
YIQ	149.2520, -28.6940, -41.6700

Conversions

Conversions Part 2

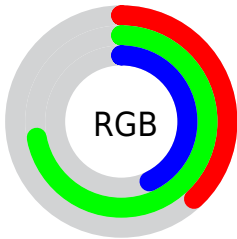
Format	Color
RYB	96, 172, 184
Decimal	6338670
CIELab	68.00, -42.41, 29.62
CIELCh	68, 51.725, 145.071
Yxy	37.9720, 0.2970, 0.4541
Android (android.graphics.Color)	4284528750 (0xFF60B86E)
YUV	149.2520, -19.3512, -46.7020
Hunter-Lab	61.6215, -35.8916, 23.1082

Details

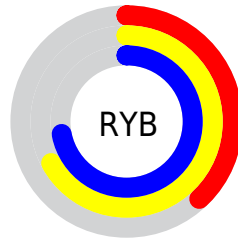
The CIELCh color **68, 51.725, 145.071** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **54, 51.584, 332.102**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 52.156, 145.027**, and **48, 51.655, 145.117** is the 20% darker color. If you saturate the color by 10%, you get **67, 61.500, 143.817**, and if you desaturate by 10%, it is **69, 41.315, 146.174**.

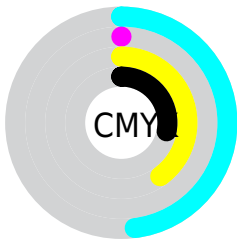
Distribution



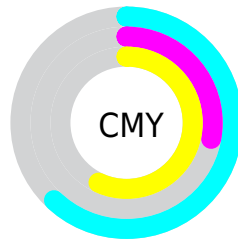
- Red (38%)
- Green (72%)
- Blue (43%)



- Red (38%)
- Yellow (67%)
- Blue (72%)



- Cyan (48%)
- Magenta (0%)
- Yellow (40%)
- Black (28%)





- Cyan (62%)
- Magenta (28%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 51.725, 145.071 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 68, 51.725, 145.071 by changing the saturation by 10% instead.


 68, 51.725,
145.071


 68, 51.725,
145.071


 100, 51.725,
145.071


 58, 51.725,
145.071


 88, 51.725,
145.071

 48, 51.725,
145.071

 98, 51.725,
145.071

 38, 51.725,
145.071

 28, 51.725,
145.071

 18, 51.725,
145.071

 8, 51.725, 145.071

 0, 51.725, 145.071

■ 68, 51.725,
145.071

■ 68, 51.725,
145.071

■ 67, 61.500,
143.817

■ 69, 41.315,
146.174

■ 66, 70.374,
142.425

■ 70, 30.508,
147.133

■ 66, 78.080,
140.933

■ 72, 19.513,
147.961

■ 66, 84.364,
139.419

■ 73, 8.497, 148.687

■ 65, 89.045,
138.023

■ 75, 2.409, 329.146

■ 77, 13.111,
329.766

■ 65, 89.894,
137.776

■ 79, 23.545,
330.231

■ 82, 33.673,
330.632

■ 83, 42.143,
328.184

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68, 51.725, 145.071



54, 51.584, 332.102

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 51.725, 145.071



68, 51.725, 195.071



68, 51.725, 325.071



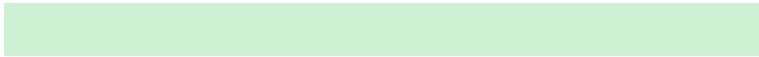
68, 51.725, 15.071

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68, 51.726, 145.071



92, 19.003, 148.228



72, 46.421, 112.591



48, 13.123, 148.068



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 51.726, 145.071



85, 75.126, 143.795



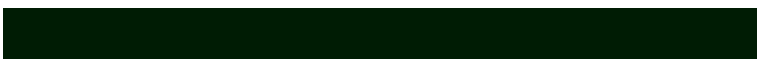
69, 34.741, 167.486



38, 6.175, 148.579



56, 78.986, 137.969



8, 17.435, 147.772

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54, 51.584, 332.102



64, 74.281, 332.762



52, 38.971, 358.545



36, 6.191, 329.664



35, 70.675, 335.644



3, 16.012, 331.806

Previews

White Background



This preview shows how the CIELCh color 68, 51.725, 145.071 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 68, 51.725, 145.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 51.725, 145.071

Background



This preview shows how black text looks on a background with the CIELCh color 68, 51.725, 145.071.



This preview shows how white text looks on a background with the CIELCh color 68, 51.725, 145.071.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
68, 51.725, 145.071

Protanopia
68, 34.227, 95.728

Deuteranopia
68, 28.530, 72.868



Tritanopia
68, 20.871, 219.828

Trichromacy



Original Color
68, 51.725, 145.071



Protanomaly
67, 36.684, 120.965



Deuteranomaly
67, 29.479, 113.616



Tritanomaly
68, 26.409, 175.083

Monochromacy



Original Color
68, 51.725, 145.071



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 19.569, 147.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 51.725, 145.071 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(96, 184, 110)` looks like.

```
.text, #text, p{  
    color:rgb(96, 184, 110)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(96, 184, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 184, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 51.725, 145.071 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 184, 110) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(96, 184, 110) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(96, 184, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 184, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 184, 110);  
box-shadow:4px 4px 4px 4px rgb(96, 184,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 51.725, 145.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 184, 110) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(96, 184,  
110) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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